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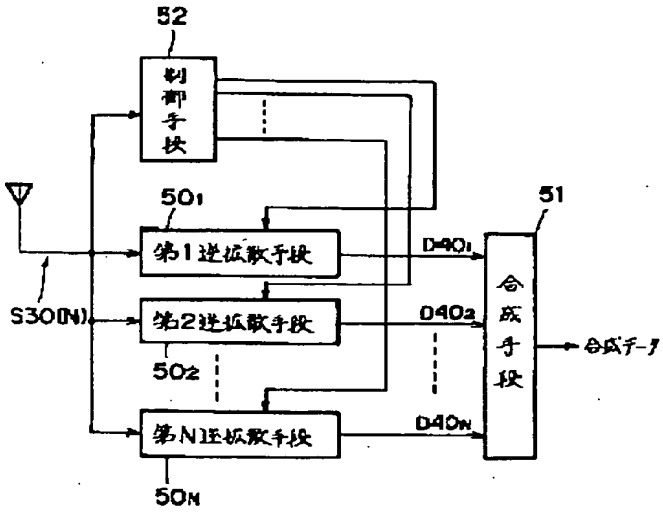
APPLICATION DATE : 18-02-94
APPLICATION NUMBER : 06020787

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TITLE : REKE RECEIVER BY DIRECT SPREAD SPECTRUM COMMUNICATION SYSTEM



ABSTRACT : PURPOSE: To form the REKE receiver in the direct spread spectrum communication system in which the reception characteristic is improved even when many multi-paths exist and low power consumption is realized.

CONSTITUTION: Direct spread modulation signals S30 whose path number is N are received by 1st-N-th inverse spread means 50_1-50N and 1st-N-th spread series synchronously with the N-sets of signals S30 whose reception timing differs from each other apply inverse spread demodulation to each reception signal S30 and a multiplexer means 51 multiplexes demodulated data $D40_1$-D40N. Through the constitution above, a control means 52 obtains individually a level difference between a signal of a highest level and each of other signals among the levels of the N-sets of the signals $30 and controls an inverse spread means (e.g. $50N_{-2}$, $50N_{-1}$, 50N) to be inactive, which applies inverse spread demodulation to signals having a level difference more than a threshold level T with respect to the signal of a highest level when the level difference is a prescribed threshold level T.

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